

## EUROPEAN PATENT OFFICE

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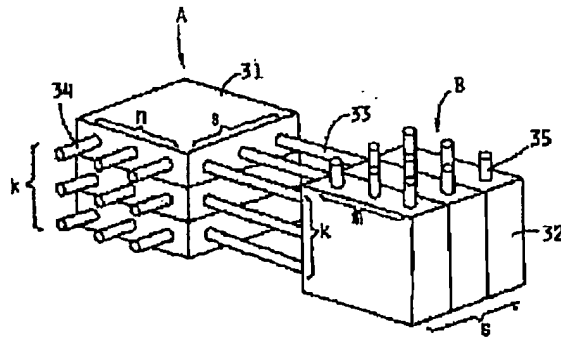
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TITLE : LARGE SCALE MATRIX OPTICAL  
SWITCH



ABSTRACT : PURPOSE: To provide the large scale matrix optical switch in which the insertion loss is small and the size is remarkably made small.

CONSTITUTION: A movable reflection device is provided to each cross point formed by plural input optical paths 34 and plural output optical paths 35 and the movable reflecting device at a prescribed cross point is inserted to the input optical path 34 to connect the input optical path 34 and the output optical path 35 at the cross point, and basic matrix optical switches 31, 32 are formed in which the movable reflecting devices are formed on the same board and the movable reflecting devices are subject to moving control by an actuator and an electronic circuit of the board or other board. The basic matrix optical switches 31, 32 are connected in multi-stages in linkage to form the large scale matrix optical switch.

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